

Alter Plot

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Goal: To introduce you to VCS plot alterations.

Reselect the "clt" Variable in the "Variable" selection window. This will reinitialize the "Dimension Manipulation Panel". Select the orange "Plot" button to display the "clt" data set. Make sure the graphics method selected is "Boxfill".

To make plot alterations, depress the "Option" menu to the right of "VCS Canvas 1". Then move the pointer over the "Alter Plot Editor..." menu item and select.

The "Alter Plot" window will appear. See figure 27.

There are four alter plot tabs. By default the "X-Axis" tab is displayed.

X-Axis:

Select the X-Axis tab if it isn't selected already. Then select the "Top" toggle buttons for "X_Labels", "X_Major_Ticks" and "X_Minor_Ticks". For "X Major Values" enter: {-45:'45W', 0:'EQ', 45:'45E'}, Now select the "Preview" button to view changes. See figure 28.

Y-Axis:

Select the Y-Axis tab. Then select "Y-Axis Type" toggle: "Area_wt" and the "Preview" button to view changes. See figure 29.

Shape:

Select the "Shape" tab. Set "Plot Position" "X Position" to 10 and "Y Position" to -10 by selecting the appropriate right and left arrow buttons. Set the "Plot Size" "Width" to -20 and the "Height" to -40 by selecting the appropriate left arrow buttons. In order for the "Plot Size" settings to take effect, the "Plot Aspect Ratio" value must be 0. So enter 0 for the "Plot Aspect ratio" value. Now select the "Preview" button to view changes. See figure 30.

Set "Plot Position" "X Position" and "Y Position" to 0. Set "Plot Size" "Width" and "Height" to 0. Enter 1 for the "Plot Aspect Ratio" value. Now select the "Preview" button to view changes. See figure 31.

Legend:

Select the "Legend" tab. Toggle "Legend Orientation" to "Vertical". Set "Legend Position" "X Position" to -15 and "Y Position" to 7. Set "Legend Size" "Width" to 5 and "Height" to -35. Now select the "Preview" button to view changes. See figure 32.

Try altering other plot attributes and be sure to select the "Cancel" button before moving on to the next example.

Figure 27. Display results from selecting the "Alter Plot Editor..." menu option.

Figure 28. Display results from "X-Axis" alteration settings.

Figure 29. Display results from "Y-Axis" alteration settings.

Figure 30. Display results from "Shape" alterations of the "Plot Position" and "Plot Size" settings.

Figure 31. Display results from "Shape" alterations of the "Plot Aspect Ratio" setting.

Figure 31. Display results from "Legend" alterations of the "Legend Orientation", "Legend Position" and "Legend Size" settings.

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